

| <b>Turbulence Detection and Mitigation (TDAM)</b>   |   |
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| <b>LEAD AGENCY POINT OF CONTACT:</b> Shari-Beth Nadell, NASA GRC, 216-977-7035, <Shari-Beth.Nadell@grc.nasa.gov>  |   |
| <b>TRAINING POINT OF CONTACT:</b> Rod Bogue, NASA DFRC, 661-258-3193, <rod.bogue@dfrc.nasa.gov>   |   |
| <b>PROGRAM/PROJECT DESCRIPTION:</b> TDAM is developing technologies for onboard sensors to detect turbulence, provide warning, and mitigate consequences.   |   |
| <b>I. TRAINING REQUIREMENTS:</b>  |   |
| <b>A. Trainees</b>  | <b>B. Skill Level of Designated Trainees</b>  |
| <b>Pilots</b>   |   |
| ⇒ Commercial  | First Officer <input checked="" type="checkbox"/> Captain <input checked="" type="checkbox"/> |
| ⇒ General Aviation  | Air Transport <input checked="" type="checkbox"/>   |
| <b>C. Training Required</b>   |   |
| Intermediate Knowledge <input checked="" type="checkbox"/>  |   |
| Other: Training level would be commensurate with that required for weather radar use  |   |
| <b>II. TRAINING DEVELOPMENT/DELIVERY:</b>   |   |
| <b>A. Training Program Status</b>   |   |
| Determination of Training Requirements <input checked="" type="checkbox"/>  |   |
| Other: NASA is working with the FAA and industry to develop technology, alerting, and certification requirements; development of training guidelines may result from the definition of alerting requirements for an airborne turbulence detection system. |   |
| <b>B. Training Method</b>   |   |
| Self-study (Text, Videotape)  | <input checked="" type="checkbox"/>   |
| On-the-job Training (Operational Area)  | <input checked="" type="checkbox"/>   |
| Other: Training method would be similar to that required for use of weather radar.  |   |
| <b>C. Training Delivery Resources</b>   |   |
| Operational System  | <input checked="" type="checkbox"/>   |
| Other: Training delivery resources would be similar to those in place for use of weather radar training.  |   |
| <b>E. Training Measurement</b>  |   |
| No Formal Measurement <input checked="" type="checkbox"/>   |   |
| <b>F. Training References</b>   |   |
| Product Description Document/Guide <input checked="" type="checkbox"/>  |   |
| <b>G. Training Completion Documentation</b>   |   |
| No Documentation Required <input checked="" type="checkbox"/>   |   |
| <b>III. TRAINING IDENTIFICATION/DESCRIPTION</b>   |   |
| <b>A. Training Identification</b>   |   |
| Number:   |   |
| Name: <b>TBD</b>  |   |
| Location:   |   |
| <b>B. Training Length</b> <b>TBD</b>  |   |
| <b>C. Group Size</b> <b>TBD</b>   |   |
| <b>D. Trainer to Trainee Ratio</b> <b>TBD</b>   |   |
| <b>E. Point of Contact to Request Training</b>  |   |
| Name: <b>TBD</b>  |   |
| Organization:   |   |
| Phone Number:   |   |
| E-mail Address:   |   |